

**OOMYCETE FTSZ-MT AS A TARGET FOR OOMYCETE-SPECIFIC
FUNGICIDES**

Abstract of the Disclosure

The invention relates to genes isolated from an oomycete that encode homologs of an FtsZ protein. The invention includes methods of using these proteins to discover new antimicrobials, based on the essentiality of the gene for normal growth and development. The invention can also be used in screening assays to identify inhibitors that are potential antimicrobials. These antimicrobials may be used in a method of controlling oomycete growth on crop plants and seeds.

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